

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 2

IN THE CLAIMS:

Please cancel Claims 107-140, 154, and 220. Please amend Claims 141, 200, and 206 as follows:

1-140. (cancelled)

141. (currently amended) A vehicular exterior rearview mirror system suitable for use on a vehicle, the vehicle including a passenger compartment and a longitudinal axis, said mirror system comprising:

an exterior mirror assembly adapted for mounting to a side of a vehicle;

said exterior mirror assembly including a reflectance element, said reflectance element being moveably mounted on an actuator for providing remote positioning of said reflectance element;

a turn signal light assembly fixedly mounted in said exterior mirror assembly separate from said reflectance element whereby movement of said reflectance element is independent of said turn signal light assembly;

wherein said turn signal light assembly comprises at least one light source chosen from an incandescent light source, a light-emitting diode, a halogen light source, a fluorescent light source, and a light pipe, said signal light assembly radiating light from said light source at least along a light-radiating axis that extends generally rearwardly away from the passenger compartment of the vehicle when operated on the vehicle in order to shield the driver from light radiated by said signal light assembly, said light-radiating axis being at an angle of at least approximately 15 degrees from the longitudinal axis of the vehicle and said exterior mirror assembly incorporating a floodlight adapted to project light generally downwardly and rearwardly on an area adjacent a portion of said vehicle in order to create a lighted security zone in said area; and

wherein said turn signal light assembly is incorporated in said exterior mirror assembly in a manner that conforms to the styling and aerodynamic lines defined by said exterior mirror assembly.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 3

142. (previously presented) The mirror system of Claim 141, wherein said light-radiating axis is at an angle of at least approximately 20 degrees from the longitudinal axis of the vehicle.

143. (previously presented) The mirror system of Claim 142, wherein said light-radiating axis is at an angle of at least approximately 25 degrees from the longitudinal axis of the vehicle.

144. (previously presented) The mirror system of Claim 141, wherein said light-radiating axis is at an angle of from at least approximately 25 degrees to about 30 degrees from the longitudinal axis of the vehicle.

145. (previously presented) The mirror system of Claim 141, wherein said light radiated by said signal light assembly comprises one chosen from red colored light and amber colored light.

146. (previously presented) The mirror system of Claim 145, wherein said amber colored light is provided by at least one chosen from an amber light-emitting diode and an amber filtering lens.

147. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a lens and wherein said lens comprises one chosen from a segmented lens, a prismatic lens, and a Fresnel lens.

148. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a light pipe.

149. (previously presented) The mirror system of Claim 148, wherein said light pipe comprises a fiber optic bundle.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 4

150. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a reflector.

151. (previously presented) The mirror system of Claim 141, wherein said light-radiating axis is at an angle of less than approximately 45 degrees from the longitudinal axis of the vehicle.

152. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a light-emitting diode.

153. (previously presented) The mirror system of Claim 152, wherein said light-emitting diode comprises one of a red light-emitting diode and an amber light-emitting diode.

154. (cancelled)

155. (previously presented) The mirror system of Claim 141, wherein said reflectance element comprises an electrochromic reflectance element.

156. (previously presented) The mirror system of Claim 141, further comprising a breakaway joint assembly for mounting said exterior mirror assembly to the side of the vehicle.

157. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a lens portion configured for facing rearward of the vehicle and another lens portion that wraps around the side of said exterior mirror assembly outboard the mounting of said exterior mirror assembly to the side of the vehicle, said another lens portion projecting a pattern of light to function as a side marker for the vehicle.

158. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a filtering lens.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 5

159. (previously presented) The mirror system of Claim 158, wherein said filtering lens comprises an amber filtering lens.

160. (previously presented) The mirror system of Claim 158, wherein said filtering lens comprises a red filtering lens.

161. (previously presented). The mirror system of Claim 141, wherein said turn signal assembly includes at least one louver, said at least one louver configured in order to shield the driver from light radiated by said light source

162. (previously presented) The mirror system of Claim 141, wherein said signal light assembly is adapted for connection to a circuit comprising a photosensor, said signal light assembly emitting a light intensity, said circuit dimming said light intensity emitted from said signal light assembly when said signal light assembly operates under low ambient light conditions about said vehicle.

163. (previously presented) The mirror system of Claim 162, wherein said circuit dims said light intensity emitted from said signal light assembly by pulse-width modulation.

164. (previously presented) The mirror system of Claim 162, wherein said photosensor comprises one chosen from a photoresistor, a photodiode, and a phototransistor.

165. (previously presented) The mirror system of Claim 162, wherein said photosensor is part of one chosen from an automatic mirror circuit, a vehicle headlamp activation circuit, and a headlamp daylight running light control circuit.

166. (previously presented) The mirror system of Claim 162, wherein said photosensor is integral with said signal light assembly.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 6

167. (previously presented) The mirror system of Claim 141, wherein said turn signal light assembly comprises a turn signal light module.

168. (previously presented) The mirror system of Claim 141, wherein said turn signal light assembly comprises a removable turn signal light module.

169. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a plurality of individual light-emitting sources mounted at an angle on a circuit board.

170. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a plurality of individual light emitting sources separated by louvers.

171. (previously presented) The mirror system of Claim 141, wherein said signal light assembly comprises a fluorescent light source.

172. (previously presented) A vehicular exterior rearview mirror system suitable for use on a vehicle, the vehicle including a passenger compartment and a longitudinal axis, said mirror system comprising:

an exterior mirror assembly adapted for mounting to a side of a vehicle;

said exterior mirror assembly including a reflectance element, said reflectance element being moveably mounted on an actuator for providing remote positioning of said reflectance element;

a turn signal light assembly fixedly mounted in said exterior mirror assembly separate from said reflectance element whereby movement of said reflectance element is independent of said signal light assembly;

wherein said turn signal light assembly comprises a light source;

said turn signal assembly radiating light from said light source at least along a light-radiating axis that extends generally rearwardly away from the passenger compartment of the vehicle when operated on the vehicle;

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 7

wherein said signal light assembly is incorporated in said exterior mirror assembly in a manner that conforms to the styling and aerodynamic lines defined by said exterior mirror assembly; and

wherein said signal light assembly is removably mounted in said exterior mirror assembly.

173. (previously presented) The mirror system of Claim 172, wherein said light-radiating axis is at an angle of at least approximately 15 degrees from the longitudinal axis of the vehicle.

174. (previously presented) The mirror system of Claim 172, wherein said light-radiating axis is at an angle of at least approximately 20 degrees from the longitudinal axis of the vehicle.

175. (previously presented) The mirror system of Claim 174, wherein said light-radiating axis is at an angle of at least approximately 25 degrees from the longitudinal axis of the vehicle.

176. (previously presented) The mirror system of Claim 173, wherein said light-radiating axis is at an angle of from at least approximately 25 degrees to about 30 degrees from the longitudinal axis of the vehicle.

177. (previously presented) The mirror system of Claim 172, wherein said light radiated by said light source comprises one chosen from red colored light and amber colored light.

178. (previously presented) The mirror system of Claim 177, wherein said amber colored light is provided by at least one chosen from an amber light-emitting diode and an amber filtering lens.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 8

179. (previously presented) The mirror system of Claim 172, wherein said signal light assembly comprises a lens and wherein said lens comprises one chosen from a segmented lens, a prismatic lens, and a Fresnel lens.

180. (previously presented) The mirror system of Claim 172, wherein said signal light assembly comprises a light pipe.

181. (previously presented) The mirror system of Claim 180, wherein said light pipe comprises a fiber optic bundle.

182. (previously presented) The mirror system of Claim 172, wherein said signal light assembly comprises a reflector.

183. (previously presented) The mirror system of Claim 172, wherein said light-radiating axis is at an angle of less than approximately 45 degrees from the longitudinal axis of the vehicle.

184. (previously presented) The mirror system of Claim 172, wherein said light source comprises at least one light-emitting diode chosen from an orange light-emitting diode, a yellow light-emitting diode, a red light-emitting diode, an amber light-emitting diode and a reddish-orange light-emitting diode.

185. (previously presented) The mirror system of Claim 172, wherein said light source comprises one of a red light-emitting diode and an amber light-emitting diode.

186. (previously presented) The mirror system of Claim 172, wherein said exterior mirror assembly incorporates a floodlight adapted to project another pattern of light generally downwardly and rearwardly on an area adjacent a portion of said vehicle in order to create a lighted security zone in said area.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 9

187. (previously presented) The mirror system of Claim 172, wherein said reflectance element comprises an electrochromic reflectance element.

188. (previously presented) The mirror system of Claim 172, wherein said mounting of said exterior mirror assembly comprises a breakaway joint assembly.

189. (previously presented) The mirror system of Claim 172, wherein said signal light assembly comprises a lens portion configured for facing rearward of the vehicle and another lens portion that wraps around the side of said exterior mirror assembly outboard the mounting of said exterior mirror assembly to the side of the vehicle, said another lens portion projecting a pattern of light to function as a side marker for the vehicle.

190. (previously presented) The mirror system of Claim 172, wherein said signal light assembly comprises a filtering lens.

191. (previously presented) The mirror system of Claim 190, wherein said filtering lens comprises an amber filtering lens.

192. (previously presented) The mirror system of Claim 190, wherein said filtering lens comprises a red filtering lens.

193. (previously presented) The mirror system of Claim 172, wherein said turn signal assembly includes at least one louver, said at least one louver configured in order to shield the driver from light radiated by said light source.

194. (previously presented) The mirror system of Claim 172, wherein said signal light assembly is adapted for connection to a circuit comprising a photosensor, said signal light assembly emitting a light intensity, said circuit dimming said light intensity emitted from said signal light assembly when said signal light assembly operates under low ambient light conditions about said vehicle.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 10

195. (previously presented) The mirror system of Claim 194, wherein said circuit dims said light intensity emitted from said signal light assembly by pulse-width modulation.

196. (previously presented) The mirror system of Claim 194, wherein said photosensor comprises one chosen from a photoresistor, a photodiode, and a phototransistor.

197. (previously presented) The mirror system of Claim 194, wherein said photosensor is part of one chosen from an automatic mirror circuit, a vehicle headlamp activation circuit, and a headlamp daylight running light control circuit.

198. (previously presented) The mirror system of Claim 194, wherein said photosensor is integral with said signal light assembly.

199. (previously presented) The mirror system of Claim 172, wherein said turn signal light assembly comprises a turn signal light module.

200. (currently amended) The mirror system of Claim 172, [[,]] wherein said turn signal light assembly is substantially moisture impervious.

201. (previously presented) The mirror system of Claim 172, wherein said light source comprises a plurality of light-emitting diodes.

202. (previously presented) The mirror system of Claim 201, wherein said plurality of light-emitting diodes comprises a plurality of individual light-emitting diodes mounted on a circuit board.

203. (previously presented) The mirror system of Claim 201, wherein said plurality of light-emitting diodes comprises a plurality of individual light-emitting diodes mounted at an angle on a circuit board.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 11

204. (previously presented) The mirror system of Claim 201, wherein said plurality of light-emitting diodes comprises individual light-emitting diodes separated by louvers.

205. (previously presented) The mirror system of Claim 201, wherein at least one of said light-emitting diodes is connected in series by a current limiting resistor for coupling to the ignition of the vehicle when mounted on the vehicle.

206. (currently amended) A vehicular exterior rearview mirror system suitable for use on a vehicle, the vehicle including a passenger compartment and a longitudinal axis, said mirror system comprising:

- an exterior mirror assembly adapted for mounting to a side of a vehicle;
- said exterior mirror assembly including a reflectance element, said reflectance element being moveably mounted on an actuator for providing remote positioning of said reflectance element;

- a turn signal light assembly fixedly mounted in said exterior mirror assembly separate from said positionable reflectance element whereby movement of said reflectance element is independent of said signal light assembly;

- wherein said turn signal light assembly comprises a light source;

- said turn signal assembly radiating light from said light source at least along a light-radiating axis that extends generally rearwardly away from the passenger compartment of the vehicle when operated on the vehicle, and said exterior mirror assembly incorporating a floodlight adapted to project a light generally downwardly and rearwardly on an area adjacent a portion of said vehicle in order to create a lighted security zone in said area;

- wherein said signal light assembly is incorporated in said exterior mirror assembly in a manner that conforms to the styling and aerodynamic lines defined by said exterior mirror assembly; and

- wherein said signal light assembly comprises an enclosure having a heat distortion temperature of at least approximately 80 degrees Celsius.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 12

207. (previously presented) The mirror system of Claim 206, wherein said light-radiating axis is at an angle of at least approximately 15 degrees from the longitudinal axis of the vehicle.

208. (previously presented) The mirror system of Claim 206, wherein said light-radiating axis is at an angle of at least approximately 20 degrees from the longitudinal axis of the vehicle.

209. (previously presented) The mirror system of Claim 208, wherein said light-radiating axis is at an angle of at least approximately 25 degrees from the longitudinal axis of the vehicle.

210. (previously presented) The mirror system of Claim 207, wherein said light-radiating axis is at an angle of from at least approximately 25 degrees to about 30 degrees from the longitudinal axis of the vehicle.

211. (previously presented) The mirror system of Claim 206, wherein said light radiated by said light source comprises one chosen from red colored light and amber colored light.

212. (previously presented) The mirror system of Claim 211, wherein said amber colored light is provided by at least one chosen from an amber light-emitting diode and an amber filtering lens.

213. (previously presented) The mirror system of Claim 206, wherein said signal light assembly comprises a lens and wherein said lens comprises one chosen from a segmented lens, a prismatic lens, and a Fresnel lens.

214. (previously presented) The mirror system of Claim 206, wherein said signal light assembly comprises a light pipe.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 13

215. (previously presented) The mirror system of Claim 214, wherein said light pipe comprises a fiber optic bundle.
216. (previously presented) The mirror system of Claim 206, wherein said signal light assembly comprises a reflector.
217. (previously presented) The mirror system of Claim 206, wherein said light-radiating axis is at an angle of less than approximately 45 degrees from the longitudinal axis of the vehicle.
218. (previously presented) The mirror system of Claim 206, wherein said light source comprises at least one light-emitting diode chosen from an orange light-emitting diode, a yellow light-emitting diode, a red light-emitting diode, an amber light-emitting diode, and a reddish-orange light-emitting diode.
219. (previously presented) The mirror system of Claim 206, wherein said light source comprises one chosen from a red light-emitting diode and an amber light-emitting diode.
220. (cancelled)
221. (previously presented) The mirror system of Claim 206, wherein said reflectance element comprises an electrochromic reflectance element.
222. (previously presented) The mirror system of Claim 206, further comprising a breakaway joint assembly for mounting said exterior mirror assembly to the side of the vehicle.
223. (previously presented) The mirror system of Claim 206, wherein said signal light assembly comprises a lens portion configured for facing rearward of the vehicle and another lens portion that wraps around the side of said exterior mirror assembly outboard the

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 14

mounting of said exterior mirror assembly to the side of the vehicle, said another lens portion projecting a pattern of light to function as a side marker for the vehicle.

224. (previously presented) The mirror system of Claim 206, wherein said signal light assembly comprises a filtering lens.

225. (previously presented) The mirror system of Claim 224, wherein said filtering lens comprises an amber filtering lens.

226. (previously presented) The mirror system of Claim 224, wherein said filtering lens comprises a red filtering lens.

227. (previously presented) The mirror system of Claim 206, wherein said turn signal assembly includes at least one louver, said at least one louver configured in order to shield the driver from light radiated by said light source

228. (previously presented) The mirror system of Claim 206, wherein said signal light assembly is adapted for connection to a circuit comprising a photosensor, said signal light assembly emitting a light intensity, said circuit dimming said light intensity emitted from said signal light assembly when said signal light assembly operates under low ambient light conditions about said vehicle.

229. (previously presented) The mirror system of Claim 228, wherein said circuit dims said light intensity emitted from said signal light assembly by pulse-width modulation.

230. (previously presented) The mirror system of Claim 228, wherein said photosensor comprises one chosen from a photoresistor, a photodiode, and a phototransistor.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 15

231. (previously presented) The mirror system of Claim 228, wherein said photosensor is part of one chosen from an automatic mirror circuit, a vehicle headlamp activation circuit, and a headlamp daylight running light control circuit.

232. (previously presented) The mirror system of Claim 228, wherein said photosensor is integral with said signal light assembly.

233. (previously presented) The mirror system of Claim 206, wherein said turn signal light assembly comprises a turn signal light module.

234. (previously presented) The mirror system of Claim 206, wherein said turn signal light assembly comprises a removable turn signal light module.

235. (previously presented) The mirror system of Claim 206, wherein said light source comprises a plurality of light-emitting diodes

236. (previously presented) The mirror system of Claim 235, wherein said plurality of light-emitting diodes comprises a plurality of individual light-emitting diodes mounted on a circuit board.

237. (previously presented) The mirror system of Claim 235, wherein said plurality of light-emitting diodes comprises a plurality of individual light-emitting diodes mounted at an angle on a circuit board.

238. (previously presented) The mirror system of Claim 235, wherein said plurality of light-emitting diodes comprises a plurality of individual light-emitting diodes separated by louvers.

239. (previously presented) The mirror system of Claim 235, wherein at least one of said light-emitting diodes is connected in series by a current limiting resistor for coupling to the ignition of the vehicle when mounted on the vehicle.

Applicant : Todd W. Pastrick
Serial No. : 09/967,236
Page : 16

240. (previously presented) The mirror system of Claim 206, wherein said heat distortion temperature is at least 100° C.

241. (previously presented) The mirror system of Claim 206, wherein said heat distortion temperature is at least 120° C.

242. (previously presented) The mirror system of Claim 206, wherein said enclosure comprises a material chosen from a nylon material, a polyester material, a mineral-filled nylon material, a glass-filled nylon material, a mineral-filled polyester material, a glass-filled polyester material, an ABS polymer material, and a polycarbonate material.

243. (previously presented) The mirror system of Claim 206, wherein said turn signal light assembly is substantially moisture impervious.

244. (previously presented) The mirror system of Claim 206, wherein said turn signal light assembly includes a light transmitting opening, said signal light assembly further comprising a cover, said cover covering said light transmitting opening.

245. (previously presented) The mirror system of Claim 244, wherein said cover comprises an optic chosen from a diffractive optic, a diffusive optic, a refractive optic, a reflective optic, a holographic optic, a binary optic, and a sinusoidal optic.